CH2M HILL
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Chicago, IL 60631
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CH2MHILL

August 28, 2008

Joseph Sobanski - Chief Engineer MWRDGC
100 East Erie Street
Chicago, IL 60611

Subject: Request for Stormwater Discharge Authorization
Former Celotex Site, 2800 South Sacramento Avenue, Chicago

Dear Mr. Sobanski:

We are writing you to confirm the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) is in agreement that MWRDGC does not have any permit requirements for the activities planned at the above referenced site and is in agreement with the drainage approach. The site is located in Chicago and will be covered under the City of Chicago stormwater program permit requirements. Our project team has previously discussed this matter with both Joe Rakoczy and Joe Schuessler at MWRDGC.

The purpose of the project is to place a cover of clean material over the former industrial site to support future use. The project is being conducted by Honeywell International Inc (Honeywell) under directive of USEPA. The project site is not currently owned by Honeywell, but was in the past and they are the responsible party for this work.

The project site is a 21.6 acre former industrial site known as the Celotex site located at 2800 South Sacramento Avenue, Chicago, IL. The site is subdivided into two parcels with two different owners. The larger parcel (approximately 20 acres), located to the north, is referred to as the Sacramento parcel, while the smaller parcel (approximately 2 acres), located to the south (3031 South Albany Avenue) is referred to as the Monarch parcel. The Sacramento parcel currently serves as a compacted gravel parking lot for semi trucks and trailers. The Monarch parcel is currently vacant with a compacted gravel surface.

The main goal of this project is to place a cover of clean material over the Sacramento and Monarch parcels to meet USEPA requirements. To meet USEPA requirements, clean material will be added to each parcel so that a 24 inch layer separates the surface from potentially impacted materials. The type of clean material will vary depending upon the location and will include vegetated topsoil and aggregate covers.

The construction plan allows for two options for the Sacramento parcel. The first is to have the Sacramento parcel cover material be gravel, similar to what currently exists. The second option is for the Sacramento parcel cover to be soil and grass. The Monarch parcel is anticipated to be a parking lot. This project will lay the base aggregate for a future porous pavement system.

The Sacramento parcel has two drainage catchment areas (1 north and 1 south) in addition to side slope drainage (see attached drawings). The Monarch parcel has one catchment area of 1.6 acres in addition to side slope drainage under proposed conditions. The northern Sacramento catchment is approximately 3.2 acres while the southern catchment is approximately 13.3 acres. The Sacramento parcel has approximately 3.1 acres of side slopes that drain to areas other than the Monarch parcel. Except for the northern and western side slopes of the site, the northern catchment currently drains to the Whipple Street sewer (owned by City of Chicago) to the east of the site. Except for the site side slopes, the southern catchment currently drains to the same sewer as the Monarch catch basin and all flow drains from that point west to the Albany Avenue sewer (owned by the City of Chicago). Under existing conditions, side slopes drain to adjacent properties or rights of way for storms when the perimeter swale overtops.

The project will abandon existing stormwater pipes on both sites and install new pipes to direct stormwater to the CSO outfall to the Collateral channel south of the Monarch site across 31st Street. Stormwater pipes will discharge to the outfall just downstream of the tide gate (see attached drawings). A constructed treatment wetland is planned in the Collateral channel by The Wetlands Initiative (TWI) in cooperation with MWRDGC. Our project team has been in contact with Joe Schuessler/MWRDGC and Jill Kostel/TWI regarding this project and are in agreement, in principle, on sending the stormwater to the treatment wetland.

Please confirm that the MWRDGC is in agreement with this drainage approach and that MWRDGC does not have any permit requirements for the activities planned. If you have any questions regarding this matter, please contact me at 773-693-2800 ext. 253.

Sincerely,

CH2M HILL

Joel D. Wipf
Project Manager

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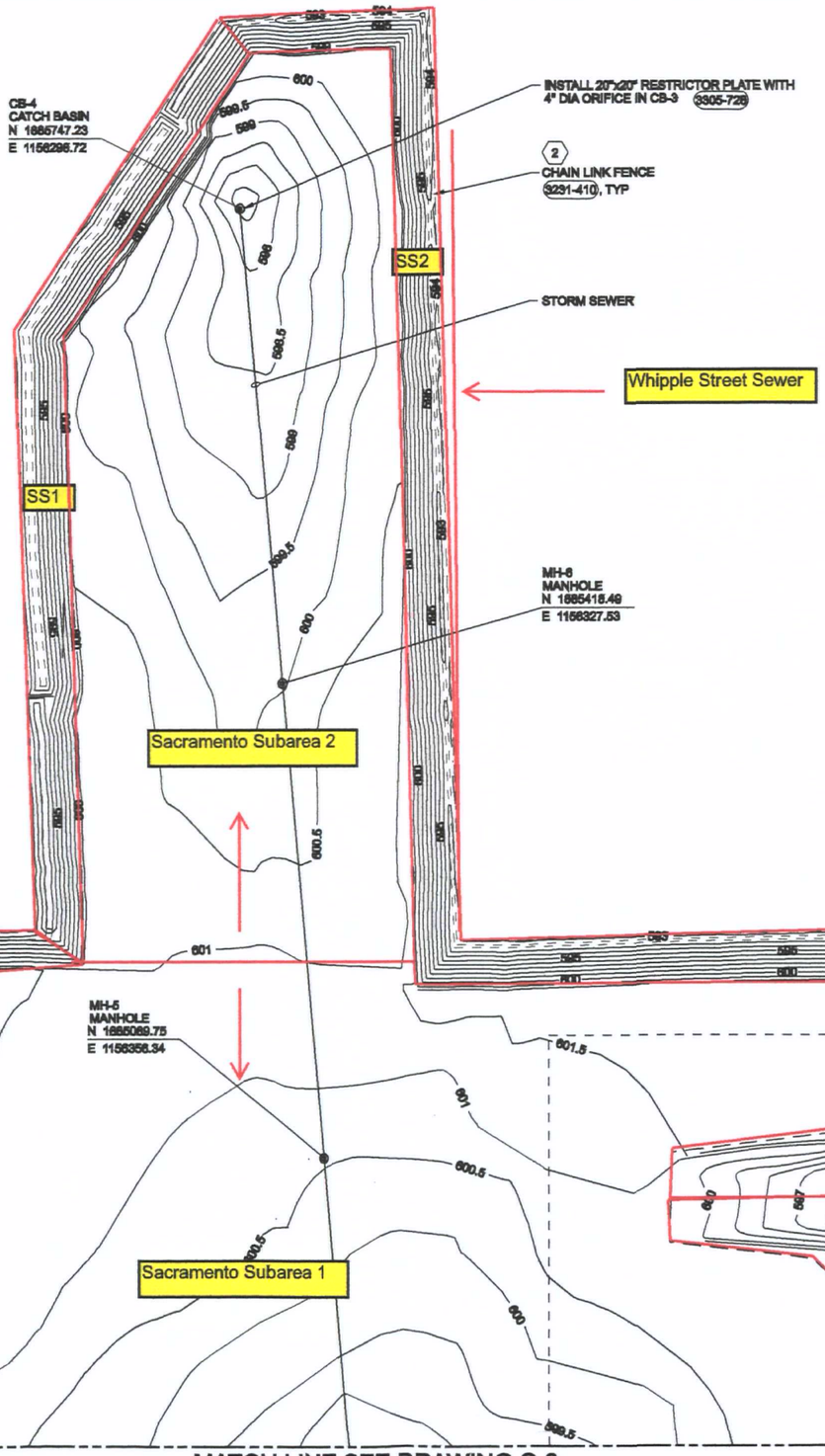
cc: The Wetlands Initiative: c/o Jill Kostel
City of Chicago Department of Water Management: c/o Pete Mulvaney
Honeywell: c/o Chuck Geadelmann, Bill Hague
USEPA: c/o Jena Sleboda
CH2M HILL: c/o Mark Mittag



KEY NOTES:
(NOTES APPLY TO DWGS C-7 AND C-8)

1. BACKFILL MANHOLES, CATCH BASINS AND OTHER STRUCTURES WITH A STORM SEWER CONNECTION WITH CONTROLLED LOW STRENGTH FILL FROM BOTTOM OF EXCAVATION TO TOP OF PIPE BETWEEN CONNECTION AND FIVE FEET FROM CONNECTION ALONG NEW PIPE.
2. INSTALL PERIMETER FENCE WITHIN 6 INCHES OF PROPERTY LINE, OR EXISTING FENCE AS DIRECTED BY CH2M HILL.
3. MANHOLE AND CATCH BASIN COORDINATES ARE TO THE CENTER OF THE STRUCTURE.
4. EACH GATE SHALL HAVE A 30 FOOT OPENING FOR A TOTAL OPENING OF 60 FEET. CENTER GATES AT EXISTING GATE LOCATION. ONE GATE SHALL SLIDE NORTH, ONE GATE SHALL SLIDE SOUTH. GATES SHALL LATCH TOGETHER AT MIDDLE. DO NOT PROVIDE A CENTER POST FOR CATCH.
5. EXTEND PIPE NORTH FROM MANHOLE MINIMUM OF 20 FEET. CAP PIPE WITH CH2M HILL APPROVED WATER TIGHT MECHANICAL SEAL. SEAL SHALL BE IRON GRIP OR T-HANDLE ALUMINUM GRIPPER FROM CHERNE INDUSTRIES, OR CH2M HILL APPROVED EQUAL. PROTECT PIPE DURING INSTALLATION.
6. CONNECT TO EXISTING STORM SEWER WITH A WATER TIGHT CONNECTION. (3305-730)
7. 20'x20' PERFORATED PIPE UNDERDRAIN CENTER AT CATCH BASIN. INSTALL ON TOP OF GEOTEXTILE FABRIC, ON BOTTOM OF AGGREGATE BASE. CONNECT PERFORATED PIPE TO CATCH BASIN WITH 4 CONNECTIONS, AS SHOWN. PERFORATED PIPE IS NOT NEEDED FOR ALTERNATE BID ITEMS #3 OR #4. PIPE SHALL BE 6" HDPE, SDR 17, ASTM D 3350-02, WITH 4 0.5 INCH HOLES EQUALLY SPACED AROUND PERIMTER OF PIPE AT 4 INCH CENTERS ALONG THE LENGTH OF IPIE.

NO.	DATE	DR	REVISION	CHK	APV'D	BY	APV'D
DSGN	BA BROWN		MA GERIK				

HONEYWELL CELOTEX
MAIN SITE COVER CONSTRUCTION
CHICAGO, ILLINOIS
HONEYWELL INTERNATIONAL INC

CH2MHILL

CIVIL
SITE PLAN
NORTH

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
IF NOT ONE INCH ADJUST SCALE ACCORDINGLY

DATE	JUNE 2008
PROJ	327757
DWG	C-7
SHEET	

ISSUED FOR 90% REVIEW

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MATCH LINE SEE DRAWING C-7

STORM SEWER

MH-4
MANHOLE
N 1864761.01
E 1156385.15

CB-7
CATCH BASIN
N 1864622.82
E 1156023.06

CB-6
CATCH BASIN
N 1864626.74
E 1156207.61

SS4S

SS5

SS3S

SS6

SS7

SS8

5 CAP PIPE FOR END OF PHASE 1

MH-3
MANHOLE
N 1864530.41
E 1156406.36

CB-2
CATCH BASIN
N 1864530.36
E 1156415.36

Sacramento Subarea 1

7 Monarch Site

Albany Avenue Sewer

CB-1
CATCH BASIN
N 1864306.12
E 1156316.86
3305-714
3305-715

MH-2
MANHOLE
N 1864306.15
E 1156306.86

20' OPENING
CANTILEVER SLIDE GATE 3231-425
CENTER AT
N 1864171.50
E 1156215.86

20' OPENING
CANTILEVER SLIDE GATE 3231-425
CENTER AT
N 1864031.72
E 1156220.82

Route to connect with CSO Outfall #178.

MH-1
MANHOLE
N 1864001.20
E 1156257.00

MH-1A
MANHOLE
N 1864105.13
E 1156274.00

CB-5
CA
N
E

2 CHAIN LINK FENCE
3231-410, TYP

6

3123-116

Tide gate isolates collateral channel from upstream sewers.

Outfall #178 to Collateral Channel

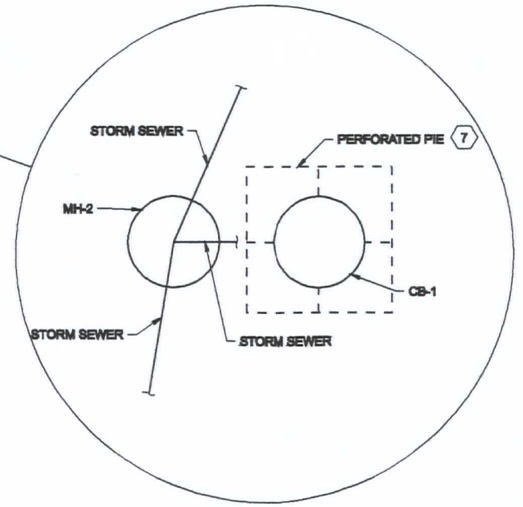
INSTALL 20"x20" RESTRICTOR PLATE WITH 6" DIA ORIFICE IN CB-1 3305-728

ALTERNATE BID ITEM #2:
PROPOSED PLACEMENT OF CA-1 AGGREGATE.
PLACEMENT OF CA-1 IS PROPOSED AS AN ALTERNATIVE TO THE EARTH FILL WITH TOPSOIL OR GRANULAR FILL COVER MATERIALS. LOCATION OF CA-1 IS SUBJECT TO CHANGE.

CB-3
CATCH BASIN
N 1864542.30
E 1156415.40

INSTALL 24"x24" RESTRICTOR PLATE WITH 10" DIA ORIFICE ON DOWNSTREAM PIPE IN CB-2
3305-728

DRAWING NOTE:
1. REFER TO DRAWING C-7 FOR SITE PLAN KEY NOTES.



N

0 50 100 150
Scale in Feet

NO.	DATE	DSGN	DR	REVISION	CHK	APVD	BY	APVD
		BA BROWN	MA GERIK					

HONEYWELL CELOTEX
MAIN SITE COVER CONSTRUCTION
CHICAGO, ILLINOIS
HONEYWELL INTERNATIONAL INC

CH2MHILL

CIVIL
SITE PLAN SOUTH

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
IF NOT ONE INCH ADJUST SCALE ACCORDINGLY

DATE	JUNE 2008
PROJ	327757
DWG	C-8
SHEET	

ISSUED FOR 60% REVIEW

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